

# North Carolina 2006 State Build Code

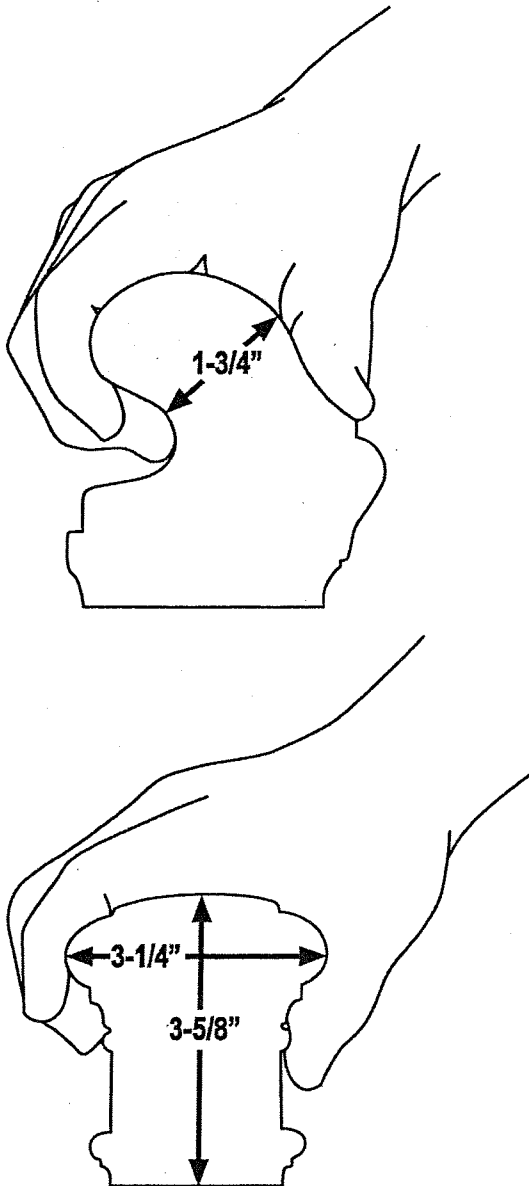
## Residential Handrails

City of Asheville 3/18/08

### R311.5.6.3 Handrail grip size.

All required handrails shall be of one of the following types or provide equivalent graspability. **DRAWING 28.**

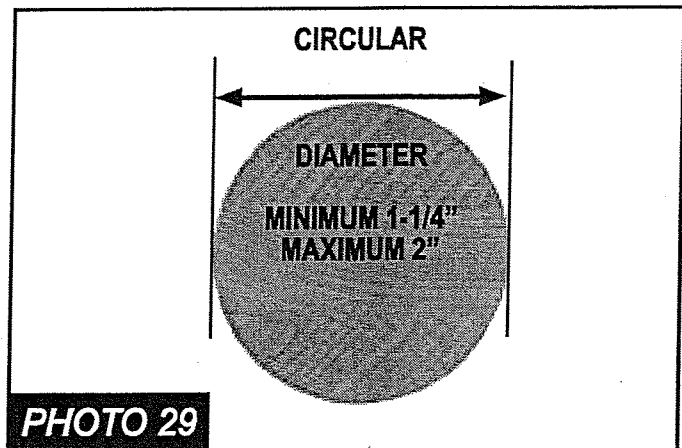
Profiles other than Type I and Type II may be determined to provide equivalent graspability.



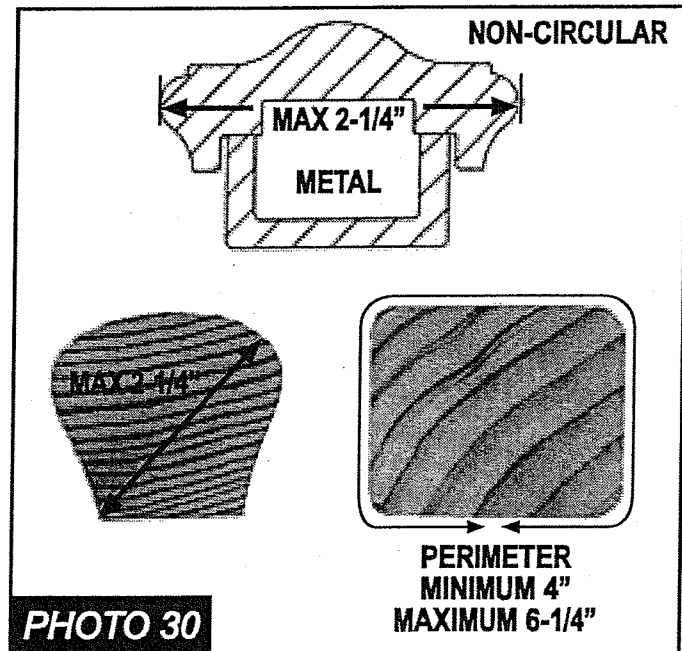
**DRAWING 28**

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1 1/4 inches (32 mm) and not greater than 2 inches (51 mm).

**PHOTO 29.** If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6 1/4 inches (160 mm) with a maximum cross section of dimension of 2 1/4 inches (57 mm). **PHOTO 30.**

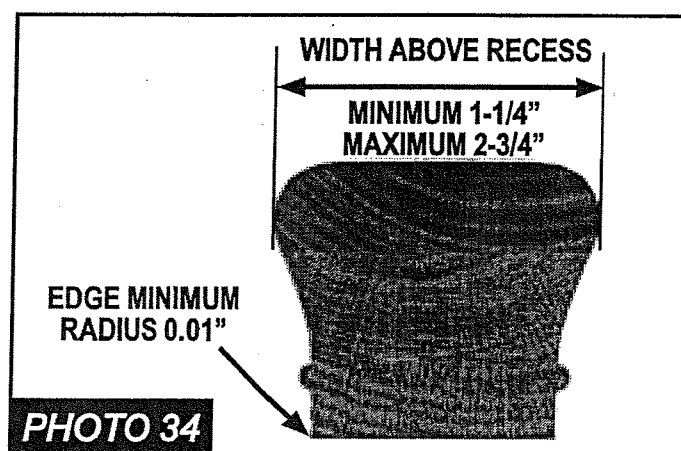
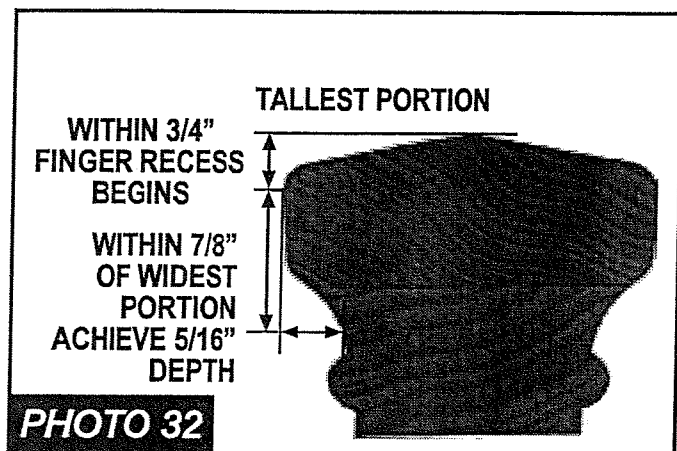
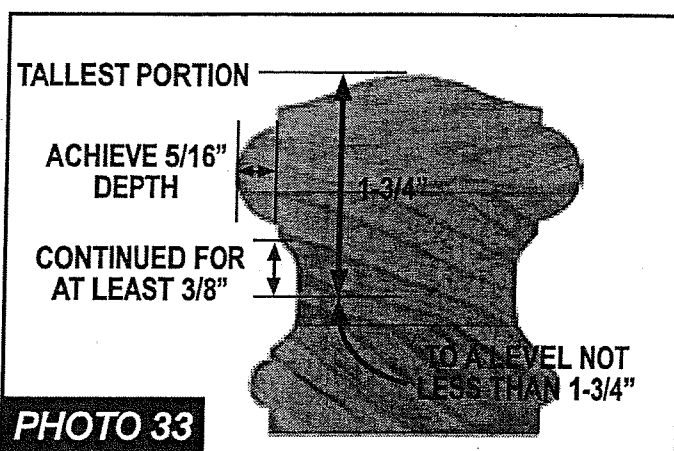
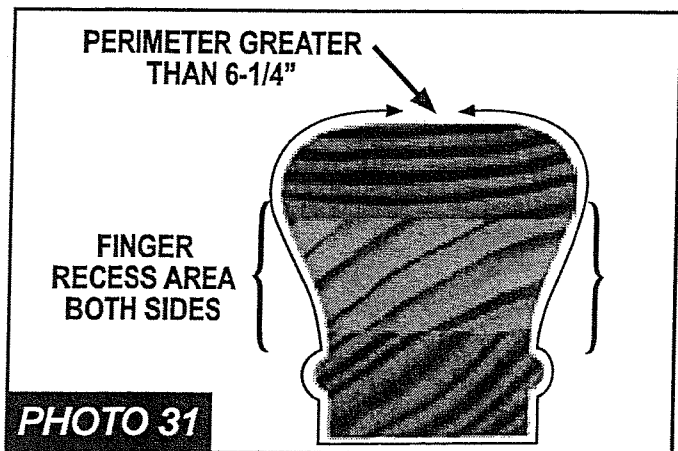


**PHOTO 29**



**PHOTO 30**

2. Type II. Handrails with a perimeter greater than 6¼ inches (160mm) shall provide a graspable finger recess area on both sides of the profile. **PHOTO 31.** The finger recess shall begin within a distance of ¾ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8mm) within 7/8 inch (22mm) below the widest portion of the profile. **PHOTO 32.** This required depth shall continue for at least ¾ inch (10mm) to a level that is not less than 1¾ inches (45 mm) below the tallest portion of the profile. **PHOTO 33.** The minimum width of the handrail above the recess shall be 1¼ inches (32 mm) to a maximum of 2¾ inches (70 mm). **PHOTO 34.** Edges shall have a minimum radius of 0.01 inches (0.25 mm). **PHOTO 34.**



#### R311.5.7 Illumination.

All stairs shall be provided with illumination in accordance with Section R303.6.

#### Questions?

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